

CADD Standards

077PE_*.dgn

July 2015

Section 077PE is used for Permanent Sediment and Erosion Control. These sheets are used in storm water pollution prevention plan (SWPPP) evaluations. This guidance addresses some of the information requirements for SWPPP sheets.

Ensure the appropriate reference files are attached and displayed. See “Appendix A – Plan Sheet References” (<http://www.dot.nd.gov/manuals/design/caddmanual/appendixa.pdf#page=11>).

All information in the P_Erosion_C.dgn should be displayed in the 077PE sheets.

The Wetland_Impacts.dgn should be referenced into the 077PE_*.dgn but display of several levels should be turned off. Use the following display settings for Wetland_Impacts.dgn.

Level	Display
Dim (wt 1)	on
Grading Tie Line	on
Grading Tie Text	on
Label Plan View Text	on
Other Water Line	off
Other Water Permanent Impact Pattern	off
Other Water Temporary Impact Pattern	off
Seeding Pattern (Wetland)	on
Wetland Creation Mitigation Line	on
Wetland Creation Mitigation Pattern	off
Wetland Delineated Line Exst *	off
Wetland Impact Permanent Hatch	off
Wetland Impact Temporary Hatch	off
Wetland Seeding Line	on

* Note, the “Wetland Delineated Line Exist” level from P_Erosion_C.dgn will be displayed instead.

Wetland seeding pay items should be paid (shown) on 077PE_*.dgn sheets.

The following are some other import referenced features. This list is not inclusive.

The control.dgn reference should display the following information at a minimum.

- Section lines
- Section, township and range labels (control drawings usually label this near section corners)

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The design.dgn reference should display the following information at a minimum.

- Riprap
- Cultural avoidance areas
- Bridge outline (only needed for new or extended structures)

The DS_Align.dgn reference should display the following information at a minimum.

- Controlling alignment and stationing (This feature is often referenced from control.dgn)

The DS_Util.dgn reference should display the following information at a minimum.

- 077PE sheets display proposed pipes and culverts where as 076TE sheets don't.
- Flow Lines

The Topog.dgn reference should display the following information at a minimum.

- Streams, rivers, sloughs, and lakes – Include names if identified.
- All drainage features – pipes, box culverts, inlets and bridges
- Level display for “existing wet area – vegetation break” features should be turned off.

The RW_Bndry.dgn reference should display the following information at a minimum.

- Existing right of way
- Proposed right of way
- Construction easements

Add north arrows to the individual cut sheets.